

Comparisons of Job Characteristics

Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)

Associated Occupation: Transportation Inspectors (53-6051)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)

Associated Occupation: Transportation Inspectors (53-6051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	15.1	22.8	>>	Current knowledge level is likely more than sufficient
Transportation	4.6	14.2	9.8	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	12.1	8.4	<<	Extensive education and/or training may be required
Law and Government	5.9	10.4	10.3	0	Current knowledge level may be sufficient
Physics	4.3	9.1	10.9	>	Current knowledge level is likely sufficient
Telecommunications	3.9	6.8	5.0	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 40

Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)

Associated Occupation: Transportation Inspectors (53-6051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	10.1	13.5	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	10.1	12.8	>	Skill level is likely sufficient
Operation and Control	5.4	8.2	9.8	>	Skill level is likely sufficient
Science	4.5	7.4	6.2	<	A higher skill level may be required
Troubleshooting	4.5	6.9	13.9	>>	Skill level is likely more than sufficient
Equipment Maintenance	3.5	5.0	17.2	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 85			
Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011) Associated Occupation: Transportation Inspectors (53-6051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	13.0	11.8	<	Some improvement in abilities may be required
Oral Expression	12.4	12.5	11.9	0	Current ability level may be sufficient
Problem Sensitivity	11.1	12.2	14.4	>	Current ability level is likely sufficient
Written Comprehension	11.0	11.9	14.1	>	Current ability level is likely sufficient
Near Vision	11.1	11.6	12.9	>	Current ability level is likely sufficient
Written Expression	9.8	11.3	10.6	0	Current ability level may be sufficient
Inductive Reasoning	10.2	10.8	12.3	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	10.4	12.3	>	Current ability level is likely sufficient
Perceptual Speed	7.4	9.0	10.7	>	Current ability level is likely sufficient
Depth Perception	5.3	8.2	7.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 63
Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011) Associated Occupation: Transportation Inspectors (53-6051)		
Work Activities	Exclusivity of Activity	
Examine products or work to verify conformance to specifications	15	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Perform safety inspections in industrial, manufacturing or repair setting	32	
Read blueprints	10	
Read specifications	23	
Recognize characteristics of alloys	71	
Recognize characteristics of metals	62	
Repair commercial transportation equipment	85	
Test electrical/electronic wiring, equipment, systems or fixtures	54	
Test mechanical products or equipment	56	
Understand technical operating, service or repair manuals	6	
Use electrical or electronic test devices or equipment	40	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Aircraft Mechanics and Service Technicians (49-3011)
Associated Occupation: Transportation Inspectors (53-6051)

Tools and Technologies	Exclusivity
Air transportation support systems and equipment	51
Business function specific software	1
Computer data input devices	2
Computers	1
Data management and query software	1
Drafting supplies	9
Electrical measuring and testing equipment	7
Holding and clamping tools	3
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Measuring and layout tools	3
Non destructive examination equipment	13
Pressure measuring and control instruments	10
Special tooling fixtures	16
Temperature and heat measuring instruments	6
Viewing and observing instruments and accessories	4
Weight measuring instruments	7
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.